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612.39353X00  
4591/00/BA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sophie BALAVEN, et al.  
Serial No: 09/727,452  
Filed: December 4, 2000  
Title: METHOD OF GENERATING A GRID ON A  
HETEROGENEOUS FORMATION CROSSED BY ONE OR  
MORE GEOMETRIC DISCONTINUITIES IN ORDER TO  
CARRY OUT SIMULATIONS  
Group: 2121  
Examiner: Michael B. Holmes

**AMENDMENT PURSUANT TO 37 C.F.R. 1.116**

**MS AF**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

September 13, 2005

Sir:

This is in response to the Final Rejection of June 14, 2005. Please amend  
the above-identified application as listed below and as set forth on the following  
pages:

Amendments to the Claims

Remarks are included following the amendments